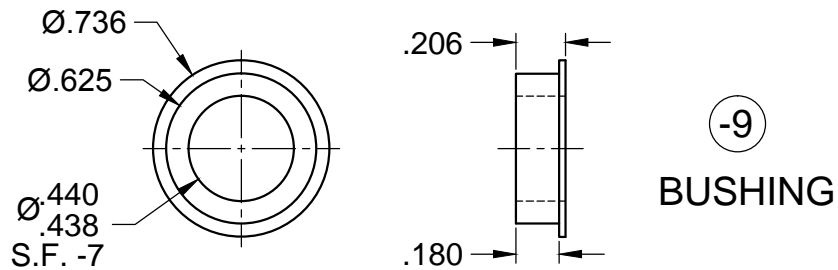
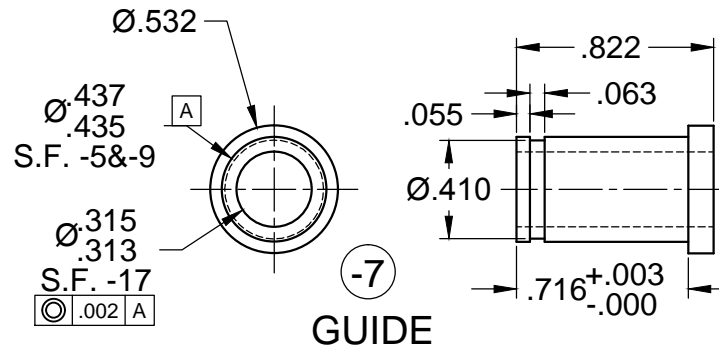


[illegible]



NOTE

1. DIMENSIONS FOR -7 & -9 ARE STANDARD FOR THESE PORTABLE BEARING CUTTERS.

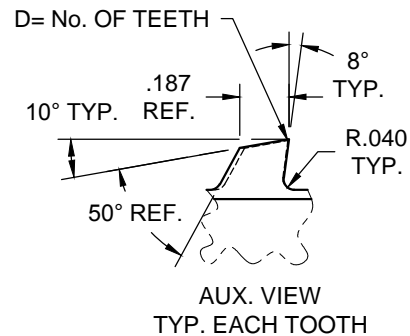
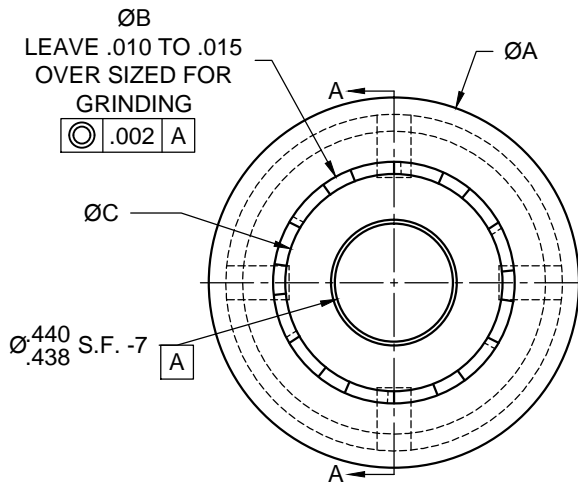
**UNDER REVIEW**

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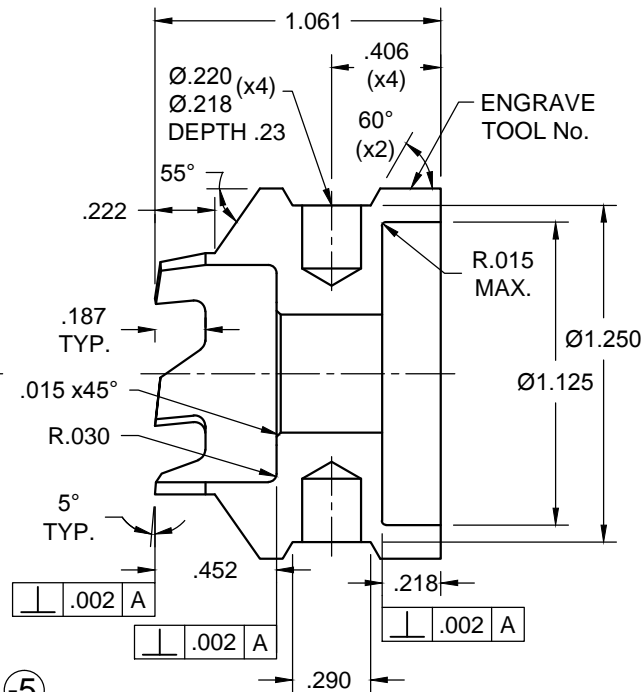
TOOL #
KSCS302T001-804P

PART #	DESCRIPTION	MATERIAL
-7	GUIDE	BRONZE RND. BAR Ø5/8 x 1
-9	BUSHING	BRONZE RND. BAR Ø3/4 x 3/8

<b>RED BARN MACHINE</b>			
<b>TITLE</b> PORTABLE BEARING CUTTERS; FOR S302T001 SERIES			
<b>DWG NO.</b> TOOL#(see chart)-7 & -9			<b>REV</b> -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°		DRAWN BY: <b>PERRITT</b> APPROVED _____ HEAT TREAT _____ FINISH SPEC _____ USED ON BEARING _____	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
<b>SCALE</b> NTS	<b>DATE</b> 2-18-09	<b>SHEET</b> 5 of 6	



⑤  
CUTTER



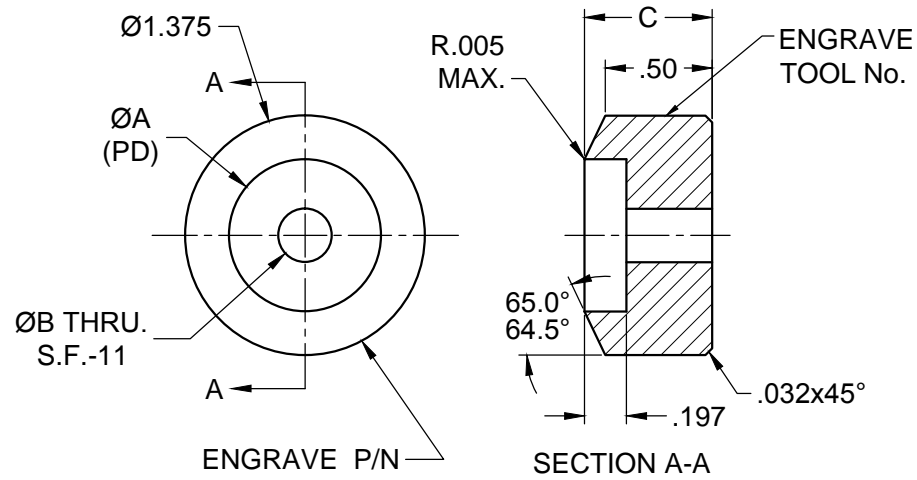
SECTION A-A

**UNDER REVIEW**

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TOOL #	ØA +0.00 -0.10	ØB +0.00 -0.02	ØC +0.00 -0.05	D TOOTH AMT.	BRG. O.D.	MATERIAL
KSCS302T001-804P	1.375	.864	.744	8	.8745	0-1 DRILL ROD Ø1-3/8 x 1-3/16

<b>RED BARN MACHINE</b>	
TITLE PORTABLE BEARING CUTTERS; FOR S302T001 SERIES	
DWG NO. TOOL#(see chart)-5	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 2-18-09
SHEET 4 of 6	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT RC 55-60	
FINISH BLACK OXIDE	
USED ON BEARING	
SEE CHART	



-3

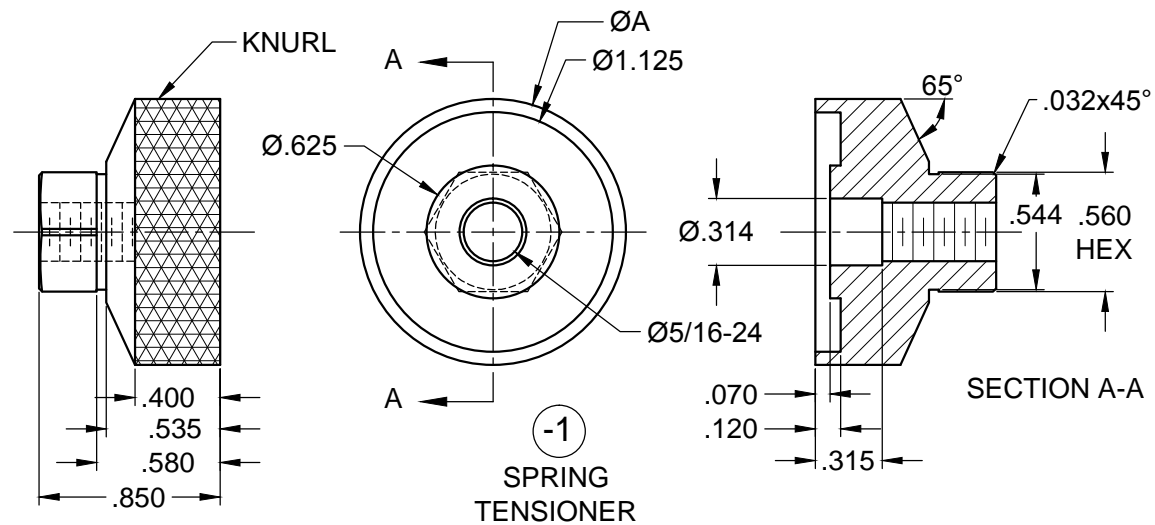
SEAT

**UNDER REVIEW**

URF 19-1108 19.10.30 (VM)

TOOL #	$\text{Ø}A$ +.002 -.000	$\text{Ø}B$ +.002 -.000	$C$ +.010 -.010	MATERIAL
KSCS302T001-804P	.775	.375	.643	4140 Q&T RND. BAR $\text{Ø}1\text{-}3/8 \times 3/4$


RED BARN MACHINE			
TITLE PORTABLE BEARING CUTTERS; FOR S302T001 SERIES			
DWG NO. TOOL#(see chart)-3			REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED	
DECIMALS		HEAT TREAT	
XXX $\pm .005$		FINISH	
XX $\pm .01$		SPEC BLACK OXIDE	
X $\pm .1$		USED ON BEARING	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SEE CHART	
SCALE NTS	DATE 2-18-09	SHEET 3 of 6	



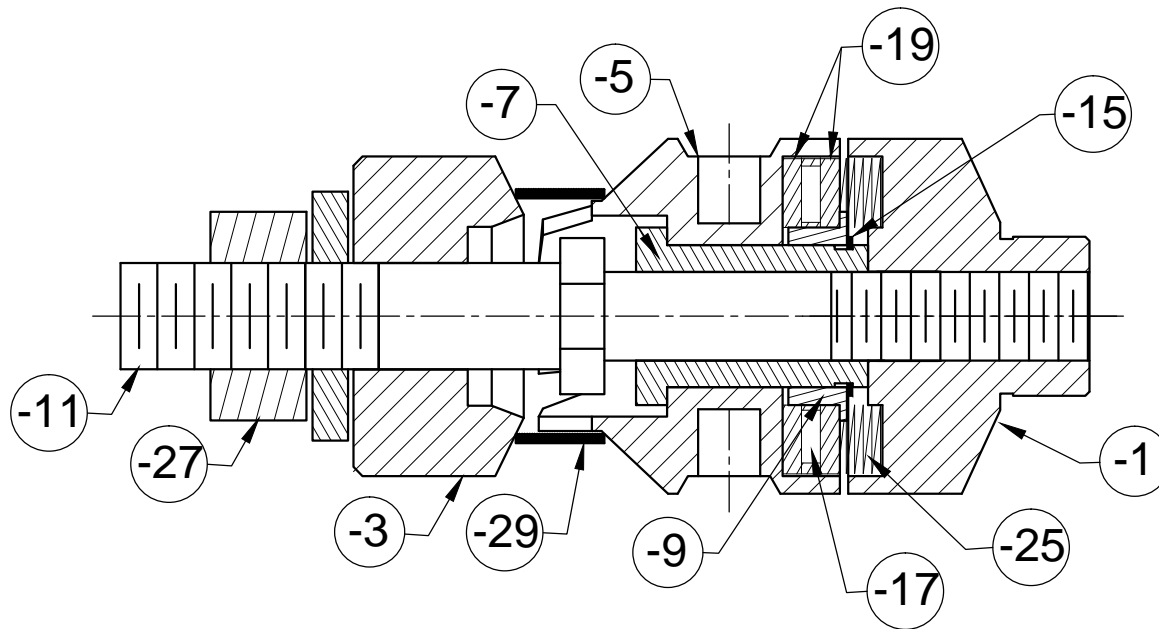
**UNDER REVIEW**

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TOOL #	ØA +.000 -.010	MATERIAL
KSCS302T001-804P	1.375	1018 RND. BAR Ø1-3/8 x 1

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> PORTABLE BEARING CUTTERS; FOR S302T001 SERIES	
<b>DWG NO.</b> TOOL#(see chart)-1	<b>REV</b> -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: <b>PERRITT</b> APPROVED HEAT TREAT FINISH <b>BLACK OXIDE</b> SPEC USED ON BEARING <b>SEE CHART</b>
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE <b>NTS</b>
DATE <b>2-18-09</b>	SHEET <b>2 of 6</b>

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	-	-	-	-



**UNDER REVIEW**  
URF 19-1108 19.10.30 (VM)

BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
S302T001-804	KSCS302T001-804P

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE TABLE	2
			-3	1	SEAT		SEE TABLE	3
			-5	1	CUTTER		SEE TABLE	4
			-7	1	GUIDE		SEE TABLE	5
			-9	1	BUSHING		SEE TABLE	5
			-11	1	STUD		SEE TABLE	6
		B/O	-15	1	EXTERNAL SPIRAL RETAINING RING		Ø7/16 SHAFT MCMaster-CARR PN: 91665A350	1
		B/O	-17	1	THRUST BEARING		Ø5/8 ID. x 1-1/8 OD. x 5/64 APPLIED PN: NTA-1018	1
		B/O	-19	2	THRUST WASHERS		Ø5/8 ID. x 1-1/8 OD. x 1/16 APPLIED PN: TRB-1018	1
		B/O	-23	1	SPANNER WRENCH		MCMaster-CARR PN: 5475A12	N/S
		B/O	-25	1	CREST TO CREST SPRING		APPLIED IND, (SMALLEY CO. PN: CS112-H2)	1
		B/O	-27	1	SWIVEL HEX FLANGE NUT	BLACK	SEE TABLE	6
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH	1

<b>RED BARN MACHINE</b>	
TITLE PORTABLE BEARING CUTTERS; FOR S302T001 SERIES	
DWG NO. SEE CHART ABOVE FOR TOOL No.	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED
HEAT TREAT SEE PART FINISH SPEC SEE PART	USED ON BEARING
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SEE CHART
SCALE NTS	DATE 2-18-09
SHEET 1 of 6	

NOT APPROVED FOR PRODUCTION

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 RED BARN MA

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 RED BARN MACHINE

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

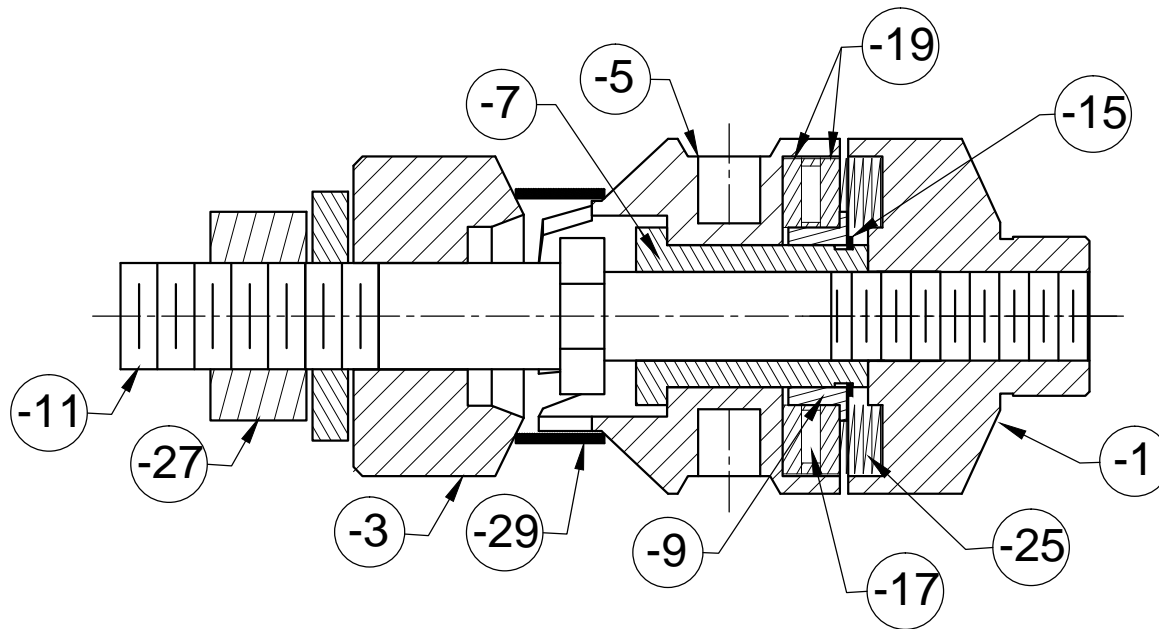
UNDER REVIEW  
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	PART #	QTY	DESCRIPTION
	-1	1	--

DRAWN BY: PERRITT	 RED BARN MACHINE		
CHECKED			
HEAT TREAT FINISH SPEC			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1			
USED ON MODEL ?	TITLE	TITLE	
	DWG NO.	PART #	REV.
	SCALE NTS	DATE 1-28-06	SHEET 1 of 1
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		



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**UNDER REVIEW**  
URF 19-1108 19.10.30 (VM)

BEARINGS & TOOLS COVERED	
BEARING #	TOOL #

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE TABLE	2
			-3	1	SEAT		SEE TABLE	3
			-5	1	CUTTER		SEE TABLE	4
			-7	1	GUIDE		SEE TABLE	5
			-9	1	BUSHING		SEE TABLE	5
			-11	1	STUD		SEE TABLE	6
		B/O	-15	1	EXTERNAL SPIRAL RETAINING RING		Ø7/16 SHAFT MCMASTER-CARR PN: 91665A350	1
		B/O	-17	1	THRUST BEARING		Ø5/8 ID. x 1-1/8 OD. x 5/64 APPLIED PN: NTA-1018	1
		B/O	-19	2	THRUST WASHERS		Ø5/8 ID. x 1-1/8 OD. x 1/16 APPLIED PN: TRB-1018	1
		B/O	-23	1	SPANNER WRENCH		MCMASTER-CARR PN: 5475A12	N/S
		B/O	-25	1	CREST TO CREST SPRING		APPLIED IND, (SMALLEY CO. PN: CS112-H2)	1
		B/O	-27	1	SWIVEL HEX FLANGE NUT	BLACK	SEE TABLE	6
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH	1
	ASSY #							

RED BARN MACHINE	
TITLE PORTABLE BEARING CUTTERS; FOR MS14101 & MS14103 BEARINGS	
DWG NO. SEE CHART ABOVE FOR TOOL No.	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED HEAT TREAT SEE PART FINISH SPEC SEE PART USED ON BEARING SEE CHART
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 1-10-08
SHEET 1 of 6	